

National Animal Identification System (NAIS)

2004 NAIS Cooperative Agreements Field Trial Project Summaries

April 2005



**United States Department of
Agriculture**

**Animal Plant Health Inspection
Service**

California Dept of Food and Agriculture
Southwest Premises Registration and Animal Tracking Project

CA number: 05-9106-0943-CA
Amount of CA: \$752,000.00
Signature Date: Nov 15, 2004
Coordinator: California Dept of Food and Agriculture
Cooperators: Oregon Dept. of Agriculture
Texas Animal Health Commission (movement project only)
Arizona Dept of Agriculture (movement project only)

Premises ID System: California Compliant Premises Registration System
Users: California, Oregon

Agreement Type: Premises Identification with Field Trial

Purpose: Determine appropriate premises identification and animal tracking methodologies for the livestock industry in the Southwest

Cooperator's Synopsis of their Project

The States of Arizona, California, Oregon, and Texas are participating in a premises registration and animal tracking project that will help align animal and premises identification schemes within participating States with those laid out by the NAIS. This project will help identify premises in California and Oregon and explore animal movement tracking in the Southwest. The project targets specific animal movements on approximately 50,000 to 100,000 animals per year in the dairy and dairy/beef industry.

Special focus will be on tracking movements of dairy replacements from dairy to calf ranch back to production dairy or feedlot/slaughter; and movements of bull calves from dairy to calf ranch to feedlot to slaughter; movements of dairy cows to slaughter and rendering;

Participating States represent over 2.3 million lactating cows, with California having the Nation's largest dairy industry (1.7 million milk cows). When the dairy and dairy/beef inventories of the four participating States are added together, one out of every four dairy animals in the United States is represented. A map of participating States is available at <http://www.cdffa.ca.gov/pais>.

Premises Identification Summary

Target Description	Comments	Operations/ Segment of the Industry (# of each)		Other areas being tested/evaluated
Premises Identification	Existing state surveillance system	<ul style="list-style-type: none"> • Cattle • Swine • Sheep • Various (Saleyards, feedlots) 	<ul style="list-style-type: none"> • 4,500 • 300 • 600 • 150 	<ul style="list-style-type: none"> • Validation and Conversion of existing information • Brand Inspection Programs

Field Trial Project Summary

Target Description	Species	Animal ID Technology Type			Segment of the Industry (# of each)	Other areas being tested/evaluated
		Existing	*RFID	Other		
Collecting Animal Movement	Cattle	Visual Brands Visual tags	ISO	DNA	20 Dairies 6 Markets 5 Slaughter Plants 6 Feedlots 7 Calf Growers	<ul style="list-style-type: none"> • Tags Retention • Tag Distribution • Readability • Data capture • Data Reporting • Brand Inspection Programs

Project Objectives:

1. Premises Identification and validation
 - a. Start premises identification in California and Oregon via a State Compliant Premises Identification System
 - b. Validate existing dairy, sheep, saleyard, slaughter plant, feedlot information and convert into new numbering system
 - c. Develop guidelines for issuing premises identification
 - d. Explore use of brand identification programs to assist with premises identification
2. Identification of calves (bulls & heifers) at birth with subsequent tracking of movements to feedlot or lactation.
 - a. Four calf ranches in California and one each from the other participating states (total 7)
 - b. 40,000 calves tagged
 - c. Estimated 100,000 to 150,000 movement events
3. Track terminal movement of adult cattle to slaughter / rendering through marketing channels or direct.
 - a. 20 dairies from California and 5 each from Oregon, Arizona, and Texas. (total 35 dairies)
 - b. Estimated 8,000 to 10,000 movement events

Third Party Participants

1. Holstein Association – FAIR will provide portable RFID readers for auctions and packers.
2. AgInfoLink – will provide travel and discount system integration pricing

Evaluation Standards:

1. Tracking of 8,000 to 10,000 adult cow movement events from 20 dairies in California and 5 dairies each in Arizona, Oregon, and Texas to slaughter / renderer.
2. Tracking of 100,000 to 150,000 calves from farms in each state to a calf raiser and then on to a feedlot or lactation string.